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**9)**

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**QUESTION**

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**QUESTION**

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 00000000000000000000 00000000 00000 000000 000000 000000 00000000  
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00 0000000000 000000 || 00 0000 000000000000, 000000 00000000, 00 00 0000  
 0000 00000000, 000000 00000000000000 000000 | ... 00000000 ... 000000  
 00000 0000 00000000 (... 00000000 ... 000000 00000 0000 00000000)  
 0000000000000000 <sup>4</sup> 0000 00000000 || 0000 000000000000000000 0000 00000000 ||

[illegible]

3. 0000 (0000) 000 000000000 0000 00000000 || 000 0000, 000 0000000000 00000000 000000 |  
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**4**

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**1.** □□□□□ □□□□□□□□□ □□□□□□□ □□□□□□□□□□

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000000+00 | .....000000#00000 0...00000+0000 00000 ...000000...0000+0000000 ...
0000...0 0000#00 || 000000 000000 000 0 00 ||
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**2.** □□□□□□□□□□□□□□ □□□□□□□□ □□□□□□ □□□□□□ |

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0000#00 | 0000000 000 0 00 | 00 000000000000000000 0000#00 | 00000000 000 0 00 |

**3.** □□□□□□□□□□ □□□□□□ □□□□□ □□□□□ |

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00 00+0000 00...00 0+00000...000...0000 0+00000000...00000000+0...000 0+0000 |
00+0000 0000 ...00...000000...000000 ...0000000000 0+0000 ...00+00 000...000000
0000+00 || 000000000 000 0 00 ||
```

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...00 0000...00...0000 0...00000 00000...0000 00...00 0+0...00 00000000 | ...000000
0+0000 ...00+00 000...000000+00...000 00+000 ...00+0000000...00 0000#00 ||
0000000000000000 00000000 000000000000 0000 000 000 0 00 ||
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**4.** □□□□□□□□□□□□ □□□□□□ □□□□□ □□□□□ |

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00 00+0000 00...0000 00+0000...ü000000 00...0000 +0000...00000000 | ...000000 000...000
0...0000000000+0000 ...0000...000000 0000#00 || 00000000 000 0 00 ||
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00 00+00000 ...0000000 00+00000...0000 00...00000 +00...00000 ...0000 | ...00...0...000000 00
0+0000000 0...0000...000000 00+000...00 0000#00 || 0000000000 000 0 00 ||
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**5.**

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00 0#0000000000000000...00000...Û +00...0000000+00...00 0+00000 ...00000...000#00 ...
0000...00 0+00...0 0000#00| 000000000000000000 000 0 00 ||

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00 0+000000000000 ...000 000 00...0000 00+00 ...00+0000 0 0...0000+00 | 00...000 00+0...
000 00+00...0 00+000000 ...000000+00...00 00+000000 ...00000+00...00 0000#00 ||
00000000000000000000 000 0 00 ||7

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<sup>7</sup> □□ □□□□□□ □□□□ □□□□□□ □□ □□□□□□ □□□□□□□□ □□□□□□

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 00+0000 ...0000...0 000+000 00...00000000000000 0000+00 | 000000 00000000 000 0 00 ||

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00000000 00000000 00000000 00000000 00000000 00000000

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00 0...00000000+00000000...0000...0000 00+00000000 ...0000 0...0000+00000 | 00 ...00000 ...
00+00 ...0000+0...000 000 00+00000 ...000+00 ...0000+0 0000#00 || 0000 00000000 000 0 00 ||

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[illegible]

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...0...00...000000 +00...0 00+00...000...00 0+0000000 ...00...00 00...0000 0...0 0000+00 || 000000
000000 000 0 00 ||
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00000000 000 0 00 ||
00 0+000000000000...000000 000+000000000000 000000...0000000 0000 +000000...000 +0 | 00+00
...000000+000000 ...000...00 00+000...0000000+00 000...00 00+00...000 0000#00 || 000000
0000000 000 0 00 ||

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00000000 0000 0 00 ||
00 000+0000000000 ...000000+0...00 00 +000...000000 | 0 ...000 ...00000 0000...00 0+00...00
00+000 ...0000000 000...000000+000000...00 0000+00 ...000000 ...0000 0+000000...00 0000+00 ||
0000000 0000000 000 0 00 ||

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00000000 00000000 0000 0 00 00  
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[illegible]

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[illegible]

- [illegible]

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2.  $\overline{00 \dots 000000 \dots 0000} \overline{00 \dots 00} \overline{0+000000 \dots 0000} \mid \overline{0+0000000000} \dots \overline{00+00} \dots \overline{0000+000000}$   
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00 ...000000 ...00 00...00 0+00...0 0+000000 | 0...000000 00+000000 ...00000000000 ...  
000000 | 0...000000 0+00000000 ...00+00000000...000000 | 00000000...000 000+0000000000...  
000+00 | 00 0000000 0000 0000000 000 | 0000000000000000 ||

3.  $00 \dots 00 \ 010 \dots 0000+000\dots 00000\#000000 \mid 00+0000\dots 0000+00 \ 000\dots 0000+00000 \mid$   
 $0+000 \dots 00000 \ 1000\dots 000 \ 100\dots 00 \ 0\#00000 \mid \dots 00000\dots 000\dots 000+00 \dots 000+0000$   
 $\dots 00000 \parallel$

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00 ...000000+000000 000...000 ...00000 | 000+000000000...00...000000000| 00 00+0000
...000...0000+000000 | ...00000...000...000...00 0+0000...00 0+00000 | 00 000000000
00000000 000 | 0000000000000000 |
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4.  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16} + \frac{1}{32} + \frac{1}{64} + \frac{1}{128} + \frac{1}{256} + \frac{1}{512} + \frac{1}{1024} + \frac{1}{2048} + \frac{1}{4096} + \frac{1}{8192} + \frac{1}{16384} + \frac{1}{32768} + \frac{1}{65536} + \frac{1}{131072} + \frac{1}{262144} + \frac{1}{524288} + \frac{1}{1048576} + \frac{1}{2097152} + \frac{1}{4194304} + \frac{1}{8388608} + \frac{1}{16777216} + \frac{1}{33554432} + \frac{1}{67108864} + \frac{1}{134217728} + \frac{1}{268435456} + \frac{1}{536870912} + \frac{1}{1073741824} + \frac{1}{2147483648} + \frac{1}{4294967296} + \frac{1}{8589934592} + \frac{1}{17179869184} + \frac{1}{34359738368} + \frac{1}{68719476736} + \frac{1}{137438953472} + \frac{1}{274877906944} + \frac{1}{549755813888} + \frac{1}{1099511627776} + \frac{1}{2199023255552} + \frac{1}{4398046511104} + \frac{1}{8796093022208} + \frac{1}{17592186044416} + \frac{1}{35184372088832} + \frac{1}{70368744177664} + \frac{1}{140737488355328} + \frac{1}{281474976710656} + \frac{1}{562949953421312} + \frac{1}{1125899906842624} + \frac{1}{2251799813685248} + \frac{1}{4503599627370496} + \frac{1}{9007199254740992} + \frac{1}{18014398509481984} + \frac{1}{36028797018963968} + \frac{1}{72057594037927936} + \frac{1}{144115188075855872} + \frac{1}{288230376151711744} + \frac{1}{576460752303423488} + \frac{1}{1152921504606846976} + \frac{1}{2305843009213693952} + \frac{1}{4611686018427387904} + \frac{1}{9223372036854775808} + \frac{1}{18446744073709551616} + \frac{1}{36893488147419103232} + \frac{1}{73786976294838206464} + \frac{1}{147573952589676412928} + \frac{1}{295147905179352825856} + \frac{1}{590295810358705651712} + \frac{1}{1180591620717411303424} + \frac{1}{2361183241434822606848} + \frac{1}{4722366482869645213696} + \frac{1}{9444732965739290427392} + \frac{1}{18889465931478580854784} + \frac{1}{37778931862957161709568} + \frac{1}{75557863725914323419136} + \frac{1}{151115727451828646838272} + \frac{1}{302231454903657293676544} + \frac{1}{604462909807314587353088} + \frac{1}{1208925819614629174706176} + \frac{1}{2417851639229258349412352} + \frac{1}{4835703278458516698824704} + \frac{1}{9671406556917033397649408} + \frac{1}{19342813113834066795298816} + \frac{1}{38685626227668133590597632} + \frac{1}{77371252455336267181195264} + \frac{1}{154742504910672534362390528} + \frac{1}{309485009821345068724781056} + \frac{1}{618970019642690137449562112} + \frac{1}{1237940039285380274899124224} + \frac{1}{2475880078570760549798248448} + \frac{1}{4951760157141521099596496896} + \frac{1}{9903520314283042199192993792} + \frac{1}{19807040628566084398385987584} + \frac{1}{39614081257132168796771975168} + \frac{1}{79228162514264337593543950336} + \frac{1}{158456325028528675187087900672} + \frac{1}{316912650057057350374175801344} + \frac{1}{633825300114114700748351602688} + \frac{1}{1267650600228229401496703205376} + \frac{1}{2535301200456458802993406410752} + \frac{1}{5070602400912917605986812821504} + \frac{1}{10141204801825835211973625643008} + \frac{1}{20282409603651670423947251286016} + \frac{1}{40564819207303340847894502572032} + \frac{1}{81129638414606681695789005144064} + \frac{1}{162259276829213363391578010288128} + \frac{1}{324518553658426726783156020576256} + \frac{1}{649037107316853453566312041152512} + \frac{1}{1298074214633706907132624082305024} + \frac{1}{2596148429267413814265248164610048} + \frac{1}{5192296858534827628530496329220096} + \frac{1}{10384593717069655257060992658440192} + \frac{1}{20769187434139310514121985316880384} + \frac{1}{41538374868278621028243970633760768} + \frac{1}{83076749736557242056487941267521536} + \frac{1}{166153499473114484112975882535043072} + \frac{1}{332306998946228968225951765070086144} + \frac{1}{664613997892457936451903530140172288} + \frac{1}{1329227995784915872903807060280344576} + \frac{1}{2658455991569831745807614120560689152} + \frac{1}{5316911983139663491615228241121378304} + \frac{1}{10633823966279326983230456482242756608} + \frac{1}{21267647932558653966460912964485513216} + \frac{1}{42535295865117307932921825928971026432} + \frac{1}{85070591730234615865843651857942052864} + \frac{1}{170141183460469231731687303715884105728} + \frac{1}{340282366920938463463374607431768211456} + \frac{1}{680564733841876926926749214863536422912} + \frac{1}{1361129467683753853853498429727072845824} + \frac{1}{2722258935367507707706996859454145691648} + \frac{1}{5444517870735015415413993718908291383296} + \frac{1}{10889035741470030830827987437816582766592} + \frac{1}{21778071482940061661655974875633165533184} + \frac{1}{43556142965880123323311949751266331066368} + \frac{1}{87112285931760246646623899502532662132736} + \frac{1}{174224571863520493293247799005065324265472} + \frac{1}{348449143727040986586495598010130648530944} + \frac{1}{696898287454081973172991196020261297061888} + \frac{1}{1393796574908163946345982392040522594123776} + \frac{1}{2787593149816327892691964784081045188247552} + \frac{1}{5575186299632$

[illegible]

5.  $\dots + \dots = \dots$

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